GSK2593074A

MedChemExpress

HY-122909		
1337531-06	-2	
C ₂₇ H ₂₃ N ₅ OS		
465.57		
RIP kinase		
Apoptosis		
Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month
	1337531-06 C ₂₇ H ₂₃ N ₅ OS 465.57 RIP kinase Apoptosis Powder	1337531-06-2 C ₂₇ H ₂₃ N ₅ OS 465.57 RIP kinase Apoptosis Powder -20°C 4°C In solvent -80°C

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SOLVENT & SOLUBILITY

		Concentration	1 mg	5 mg	10 mg	
	Preparing Stock Solutions	1 mM	2.1479 mL	10.7395 mL	21.4790 mL	
		5 mM	0.4296 mL	2.1479 mL	4.2958 mL	
		10 mM	0.2148 mL	1.0740 mL	2.1479 mL	
	Please refer to the solubility information to select the appropriate solvent.					

BIOLOGICAL ACTIV	ИТҮ
Description	GSK2593074A (GSK'074) is a necroptosis inhibitor with dual targeting ability to both RIP1 and RIP3 ^[1] .
IC ₅₀ & Target	RIP1, RIP3 ^[1]
In Vitro	GSK2593074A (GSK'074; 0.01, 0.1, 1, 10, and 100 nM; 6 hours for MOVAS cells; 3 hours for L929 cells) completely rescues cells from necroptosis under different stimuli in both human and murine cells at IC ₅₀ ~3 nM. In multiple cell types including mouse SMCs, fibroblasts (L929), bone marrow derived macrophages (BMDM), and human colon epithelial cells (HT29), GSK2593074A inhibits necroptosis with an IC ₅₀ of ~3 nM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Viability Assay ^[1]

Product Data Sheet

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 $\dot{N}H_2$

	Cell Line:	Mouse smooth muscle cell line MOVAS; Mouse fibroblast cell line L929
	Concentration:	0.01, 0.1, 1, 10, and 100 nM
	Incubation Time:	6 hours for MOVAS cells; 3 hours for L929 cells
	Result:	Inhibited MOVAS and L929 cells with the IC ₅₀ of 3 nM.
In Vivo	GSK2593074A (GSK'074;	; 0.93 mg/kg/day; i.p. injection; 14 or 28 days) is administrated to Apoe ^{-/-} mice immediately following
	formation, reflected by as a reduced abdominal extent of aortic expansio	mpared to the DMSO group, GSK2593074A-treated mice show significantly alleviated aneurysm a much smaller aortic dilatation (DMSO 85.39±15.76% vs GSK2593074A 36.28±5.76%; P<0.05) as wel l aortic aneurysm (AAA) incidence (from 83.3 to 16.7%). GSK2593074A significantly decreases the on (DMSO 66.06±9.17% vs GSK2593074A 27.36±8.25%; P<0.05) ^[1] . ntly confirmed the accuracy of these methods. They are for reference only.
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REFERENCES

[1]. Zhou T, et al. Identification of a novel class of RIP1/RIP3 dual inhibitors that impede cell death and inflammation in mouse abdominal aortic aneurysm models. Cell Death Dis. 2019 Mar 6;10(3):226.

Caution: Product has not been fully validated for medical applications. For research use only.

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